

File 347:JAPIO Nov 1976-2004/Apr(Updated 040802)

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File 350:Derwent WPIX 1963-2004/UD,UM &UP=200454

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Set	Items	Description
S1	4228	USB OR UNIVERSAL()SERVICE? ?() (BUS OR PORT? ? OR BUSES OR - BUSED OR BUSING OR BUSSE? ? OR BUSSING OR SUBBUS? OR MULTIBUS? OR DATABUS? OR FASTBUS?)
S2	16	USBS
S3	87833	KEYBOARD? OR KEYSER? ? OR KEYPAD? ? OR KBD? ? OR FINGERBOA- RD? OR (FINGER OR KEY)()BOARD? ? OR KEY() (SET? ? OR PAD? ? OR BD? ?)
S4	2017794	INPUT? OR PUT OR PUTS OR PUTTING OR PUTING OR PLOTING OR P- LOTTING OR SCANING OR SCANNING OR POINTING
S5	310273	S4(1W) (DEVICE? OR EQUIPMENT? OR UNIT OR UNITS OR APPLIANCE? OR MECHANISM? OR APPARATUS? OR APP?? ? OR COMPONENT?)
S6	181109	MOUSE? ? OR MICE? ? OR SCANNER? ? OR SCANNER? ? OR JOYSTICK? OR JOY()STICK? ? OR PEN OR PENS OR LIGHTPEN? ? OR STYLUS?
S7	51987	PLOTTER? OR PADDLE OR PADDLES OR TRACKBALL? OR TRACKBALL? ? OR POINTER? ?
S8	42682	OCR OR OCRS OR OPTIC?? ?(1W)CHARACTER? ?(1W) (RECOGNIS? OR - RECOGNIZ? OR READER? ?)
S9	11583698	ACCESS OR ACCESSE? ? OR ACCESSING OR REACCESS? OR USE OR U- SED OR USES OR USING OR USAGE? OR OPERATING OR OPERATION?
S10	3330499	ACTIV? OR ACTUAT? OR ENABL? OR INABL? OR ENGAG?
S11	541112	S9:S10(3N) (PREVENT? OR REMOV? OR BLOCK??? ? OR INHIBIT? OR PROHIBIT? OR STOP???? ? OR DENY? OR DENIE? ? OR HINDER?)
S12	115272	S9:S10(3N) (ELIMINAT? OR RESTRICT? OR LIMIT??? ?)
S13	1650	S11:S12(3N) (S3 OR S5:S8 OR TRACK()BALL? ?)
S14	1194	(S3 OR S5:S8 OR TRACK()BALL? ?) (3N) (DISABL? OR DISENABL? OR DISINABL? OR LOCK OR LOCKS OR LOCKED OR LOCKING OR INACTIVAT? OR INACTUAT?)
S15	118	(S3 OR S5:S8 OR TRACK()BALL? ?) (3N) (DEACTIVAT? OR DEACTUAT? OR UNACTIVAT? OR UNACTUAT? OR DISENGAG? OR UNENGAG?)
S16	6	(S3 OR S5:S8 OR TRACK()BALL? ?) (3N) (DIS OR UN OR DE) () (ABL? OR ENABL? OR INABL? OR ENGAG? OR ACTUAT? OR ACTIVAT? OR ASSO- CIAT?)
S17	0	(S3 OR S5:S8 OR TRACK()BALL? ?) (3N) (DIS OR UN OR DE) () (CON- NECT???? ? OR ATTACH?)
S18	1315	(S3 OR S5:S8 OR TRACK()BALL? ?) (3N) (DISCONNECT? OR DETACH? OR DISASSOCIAT? OR UNCONNECT? OR UNATTACH? OR DECONNECT?)
S19	213	(S3 OR S5:S8 OR TRACK()BALL? ?) (3N) (TURNOFF OR SHUTOFF OR - CRIPPL? OR SWITCHOFF OR (SWITCH??? ? OR SHUT???? ? OR TURN??? ?) ()OFF)
S20	13	S1:S2 AND S13:S19
S21	634921	SECURE? ? OR SECURING OR SECURITY?
S22	230	S1:S2 AND S21
S23	41	S22 AND (S3 OR S5:S8 OR TRACK()BALL? ?)
S24	52	S20 OR S23
S25	52	IDPAT (sorted in duplicate/non-duplicate order)
S26	52	IDPAT (primary/non-duplicate records only)

26/9/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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016309228 \*\*Image available\*\*

WPI Acc No: 2004-467123/200444

XPX Acc No: N04-369023

Computer system e.g. notebook computer for auxiliary device e.g. touch pad, has keyboard controller connected to operating system program that determines when external universal serial bus mouse device is attached to computer

Patent Assignee: LG ELECTRONICS INC (GLDS )

Inventor: KIM Y H; YOON D H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040104888	A1	20040603	US 2003622458	A	20030721	200444 B

Priority Applications (No Type Date): KR 200270875 A 20021114

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20040104888	A1	10	G09G-005/00	

Abstract (Basic): US 20040104888 A1

NOVELTY - The system has a keyboard (12) to receive user commands. A keyboard controller (11) communicates with an operating system program that determines when an external universal serial bus ( USB ) mouse device (16) is attached to a computer. The operating system ignores data from the keyboard and receives data from the external USB mouse when the external USB mouse is attached to the computer.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a method for controlling a computer

(b) a computer readable medium having software to enable a computer to perform an operation

USE - Used for controlling driving of an auxiliary device e.g. touch pad.

ADVANTAGE - The controller automatically enables or disables driving of a keyboard depending on whether a USB mouse is attached, thereby avoiding rebooting of the system.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of portions of a portable computer adopting a method for controlling operation of an auxiliary device.

Keyboard controller driver (10)

Keyboard controller (11)

Keyboard (12)

Touch pad (13)

Complementary metal oxide semiconductor memory (15)

Universal serial bus mouse device (16)

pp; 10 DwgNo 2/4

Title Terms: COMPUTER; SYSTEM; COMPUTER; AUXILIARY; DEVICE; TOUCH; PAD;

KEYBOARD; CONTROL; CONNECT; OPERATE; SYSTEM; PROGRAM; DETERMINE; EXTERNAL ; UNIVERSAL; SERIAL; BUS; MOUSE; DEVICE; ATTACH; COMPUTER

Derwent Class: P85; T01; T04

International Patent Class (Main): G09G-005/00

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): T01-C02A; T01-C02B; T01-C07C4; T01-F05B2; T01-S03; T04-F02A5; T04-F02B1

26/9/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016157008 \*\*Image available\*\*

WPI Acc No: 2004-314895/200429

XPX Acc No: N04-250855

User account managing method, used in computer system, involves creating user account in host, according to user account information written in token, after verifying security data written in token

Patent Assignee: COMPAQ INFORMATION TECHNOLOGIES INC (COPQ )

Inventor: ANGELO M F; CARCHIDE J A; NOVOA M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040064708	A1	20040401	US 2002260892	A	20020930	200429 B

Priority Applications (No Type Date): US 2002260892 A 20020930

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20040064708	A1	10	H04K-001/00	

US 20040064708 A1 10 H04K-001/00

Abstract (Basic): US 20040064708 A1

NOVELTY - An user account is created in the computer system (22), according to the user account information written in the token (40) which is inserted into the computer system, after verifying the **security** data written in the token.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) token;
- (2) token configuration system; and
- (3) computer system.

USE - For managing user account on computer system, using token such as **USB** based memory device e.g. thumbdrive, smart card e.g. flash memory.

ADVANTAGE - The user account is dynamically created on the host, by reliably verifying **security** data written in the token.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the token configuration system.

configuration system (20)

computer system (22)

**input device** (24)

memory (32)

token (40)

pp; 10 DwgNo 1/4

Title Terms: USER; ACCOUNT; MANAGE; METHOD; COMPUTER; SYSTEM; USER; ACCOUNT ; HOST; ACCORD; USER; ACCOUNT; INFORMATION; WRITING; TOKEN; AFTER;

VERIFICATION; **SECURE** ; DATA; WRITING; TOKEN

Derwent Class: T01; T04; T05

International Patent Class (Main): H04K-001/00

File Segment: EPI

Manual Codes (EPI/S-X): T01-H01B3A; T01-H01C2; T01-J12C; T01-N01A1;

T01-N02B1; T04-K02; T05-H02B

26/9/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016112721

WPI Acc No: 2004-270597/200426

XRPX Acc No: N04-213959

**Input mode of switching input unit and serial use processing method**

Patent Assignee: JIABIQI INT CO LTD (JIAB-N)

Inventor: LIU S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CN 1469245	A	20040121	CN 2002126360	A	20020719	200426 B

Priority Applications (No Type Date): CN 2002126360 A 20020719

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
CN 1469245	A		G06F-009/445	

Abstract (Basic): CN 1469245 A

NOVELTY - Software is loaded into the input devices, and the input devices are connected serially in use and are connected to the **USB** keyboard. After some key in the input devices is depressed by a user, the state of the digital **locking** key in the **input device** is judged. When the digital locking key is enabled and the depressed key is a digital key, the scanning code corresponding to the digital key will be transmitted to the computer. When digital locking key is enabled and the depressed key is a directional function key, the scanning code corresponding to the directional function key will be transmitted to the computer. The input devices will not produce mutual influence with the keyboard in all states, and this is rather convenient.

DwgNo 0/0

Title Terms: INPUT; MODE; SWITCH; INPUT; UNIT; SERIAL; PROCESS; METHOD

Derwent Class: T01; T04

International Patent Class (Main): G06F-009/445

International Patent Class (Additional): G06F-003/00; G06F-013/00

File Segment: EPI

Manual Codes (EPI/S-X): T01-C; T01-F01B; T01-F05B; T01-H; T04-F

**26/9/11 (Item 11 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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015967435 \*\*Image available\*\*

WPI Acc No: 2004-125276/200413

XRPX Acc No: N04-100323

**Portable smart card acceptor device incorporates keypad , liquid crystal display and universal serial bus port**

Patent Assignee: ANNAN K (ANNA-I)

Inventor: ANNAN K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2390929	A	20040121	GB 200216432	A	20020716	200413 B

Priority Applications (No Type Date): GB 200216432 A 20020716

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2390929	A	12	G06K-007/00	

Abstract (Basic): GB 2390929 A

NOVELTY - The smart card acceptor device (SCAD) incorporates a **keypad** (6), liquid crystal displays (10,11,13) and universal serial bus ( **USB** ) port (12).

USE - Portable smart card acceptor device (SCAD). Also applicable for integrated circuit card (ICC).

ADVANTAGE - Provides a simple smart card acceptor device, by combining the hardware/software components required to support smart card read/write functionality, within a self-contained, **secure** , tamper-proof, pocket-sized mobile module. Thus, data **security** and

operability are improved, and cost is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of the portable smart card acceptor device.

lid cover (1)

smart card storage (2)

**keypad** (6)

keys (7-9)

liquid crystal displays (10,11,13)

**USB** port (12)

pp; 12 DwgNo 2C/2

Technology Focus:

TECHNOLOGY FOCUS - INDUSTRIAL STANDARDS - The smart card acceptor device supports smart cards in compliance with ISO 7816 standards.

Title Terms: PORTABLE; SMART; CARD; ACCEPT; DEVICE; INCORPORATE; LIQUID; CRYSTAL; DISPLAY; UNIVERSAL; SERIAL; BUS; PORT

Derwent Class: T01; T04

International Patent Class (Main): G06K-007/00

File Segment: EPI

Manual Codes (EPI/S-X): T01-C07C1; T01-C07C5; T01-H01B3A; T04-K02

? t26/9/15,18,20,23

**26/9/15 (Item 15 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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015838582 \*\*Image available\*\*

WPI Acc No: 2003-900786/200382

XRPX Acc No: N03-719165

**Keylock position information transmission method in computer system, involves transmitting keylock usage indicating keylock position information, from human interface device to computer system, through universal serial bus**

Patent Assignee: NATHAN R H (NATH-I)

Inventor: NATHAN R H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030204654	A1	20031030	US 2002132381	A	20020426	200382 B

Priority Applications (No Type Date): US 2002132381 A 20020426

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030204654	A1		7 G06F-013/12	

Abstract (Basic): US 20030204654 A1

NOVELTY - The method involves transmitting keylock usage such as button usage indicating keylock position information, from human interface device (HID) (114) to computer system, through universal serial bus.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) lock unit;

(2) recorded medium storing lock position information transmission program; and

(3) computer system.

USE - For transmitting keylock position information of peripheral devices such as keyboard connected to computer, using universal serial bus ( **USB** ) protocol.

ADVANTAGE - Enables transmitting **keyboard lock** data through universal serial bus, effectively.

*quite  
not good*

DESCRIPTION OF DRAWING(S) - The figure shows a functional block diagram of the keyboard.

pp; 7 DwgNo 2/2

Title Terms: POSITION; INFORMATION; TRANSMISSION; METHOD; COMPUTER; SYSTEM; TRANSMIT; INDICATE; POSITION; INFORMATION; HUMAN; INTERFACE; DEVICE;

COMPUTER; SYSTEM; THROUGH; UNIVERSAL; SERIAL; BUS

Derwent Class: T01; T04

International Patent Class (Main): G06F-013/12

File Segment: EPI

Manual Codes (EPI/S-X): T01-C02A; T01-C07C4; T04-F01A

26/9/18 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015488175 \*\*Image available\*\*

WPI Acc No: 2003-550322/200352

XRPX Acc No: N03-437633

Computer system integrated with USB apparatus transmits operation command to security functional changeover switch, when transmitted ID information and stored ID information of USB apparatus are same

Patent Assignee: RICOH KK (RICO )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003186819	A	20030704	JP 2001382487	A	20011217	200352 B

*date*

Priority Applications (No Type Date): JP 2001382487 A 20011217

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2003186819	A		9 G06F-013/14	

Abstract (Basic): JP 2003186819 A

NOVELTY - The ID information of the Universal Serial Bus ( USB ) apparatus (20) is transmitted to the personal computer (10) and compared with the stored ID. Based on the authentication result, the operation command of **security** functional changeover switch (28) is transmitted from the compatible PC (10).

USE - Computer system integrated with **USB** apparatus such as **input device** , audio apparatus, digital camera, network apparatus, printer and **scanner** .

ADVANTAGE - Connection of specific **USB** apparatus is recognized and use of other **USB** apparatus is prevented. Thereby irregular reading or writing of data stored in PC is prevented.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of computer system with **USB** apparatus. (Drawing includes non-English language text).

personal computer (10)

client software (11)

**USB** software (12)

**USB** interface (13)

**USB** controller (14)

**USB** apparatus (20)

peripheral device interface (21)

switch (26)

**security** function changeover switch (28)

**security** function status display section (29)

pp; 9 DwgNo 1/4

Title Terms: COMPUTER; SYSTEM; INTEGRATE; APPARATUS; TRANSMIT; OPERATE;

COMMAND; **SECURE** ; FUNCTION; CHANGEOVER; SWITCH; TRANSMIT; ID;  
INFORMATION; STORAGE; ID; INFORMATION; APPARATUS  
Derwent Class: T01  
International Patent Class (Main): G06F-013/14  
International Patent Class (Additional): G06F-001/00; G06F-015/00  
File Segment: EPI  
Manual Codes (EPI/S-X): T01-H05B; T01-J; T01-X

26/9/20 (Item 20 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015420703 \*\*Image available\*\*  
WPI Acc No: 2003-482843/200345  
XRPX Acc No: N03-383977

**Computer protection arrangement for e.g. portable computers, in which key is provided for rotating T-shaped tip member adapted for insertion into and locked by slot formed in vicinity of USB socket**

Patent Assignee: AVGANIM M (AVGA-I)  
Inventor: AVGANIM M  
Number of Countries: 100 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200348907	A2	20030612	WO 2002IL965	A	20021202	200345 B
AU 2002365735	A1	20030617	AU 2002365735	A	20021202	200419

Priority Applications (No Type Date): IL 146897 A 20011204

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200348907 A2 E 10 G06F-001/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU  
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

AU 2002365735 A1 G06F-001/00 Based on patent WO 200348907

Abstract (Basic): WO 200348907 A2

NOVELTY - The **USB** socket (12) of the computer (10) is used as both a mechanical anti-rotational element, and as an **input device** for **disabling** the operation of the computer for anyone other than the authorized owner.

DETAILED DESCRIPTION - The computer protection system includes a dedicated slot (14) formed in the sidewall of the computer, at a fixed distance from the **USB** socket (12). A plug-in device (16) includes a plug (22) projecting from one sidewall of a casing, which fits into the socket (12). A rotatable T-shaped tip member (20) for fitting into the slot (14), projects from the sidewall at the distance from the plug. A key mechanism (18) is coupled to the tip member (20) for rotation and locking in a pre-set angular position. The plug-in device (16) is adapted to become locked against the computer when plugged to the socket, and the tip (20) is turned by less than 180 degrees.

USE - **Securing** portable equipment e.g. portable computers against theft.

ADVANTAGE - Prevents unauthorized use of the computer while protecting the device itself against separation from the computer casing.

DESCRIPTION OF DRAWING(S) - The drawing shows a passive plug-in protection device.

Portable computer (10)  
USB socket (12)  
Slot (14)  
Protection device (16)  
Key operating mechanism (18)  
Tip member (20)  
Plug (22)  
Cable (24)  
pp; 10 DwgNo 1/5

Title Terms: COMPUTER; PROTECT; ARRANGE; PORTABLE; COMPUTER; KEY; ROTATING;  
SHAPE; TIP; MEMBER; ADAPT; INSERT; LOCK; SLOT; FORMING; VICINITY; SOCKET  
Derwent Class: T01; T04  
International Patent Class (Main): G06F-001/00  
File Segment: EPI  
Manual Codes (EPI/S-X): T01-C07C5; T01-L02E; T01-X; T04-L09

26/9/23 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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014996314 \*\*Image available\*\*  
WPI Acc No: 2003-056829/200305  
Related WPI Acc No: 2001-181184; 2002-266084  
XRPX Acc No: N03-043908

**Anti-theft security system for computer, has central alarm monitoring unit which detects presence of sensor and transmits alarm signal when cable wire is cut**

Patent Assignee: PROTEX INT CORP (PROT-N)  
Inventor: DECONINCK J; DIMONDA D; RAND R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6459374	B1	20021001	US 99438648	A	19991112	200305 B
			US 2000710595	A	20001110	
			US 2001929498	A	20010814	

Priority Applications (No Type Date): US 2001929498 A 20010814; US 99438648 A 19991112; US 2000710595 A 20001110

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6459374	B1	5	G08B-013/12	CIP of application US 99438648 CIP of application US 2000710595 CIP of patent US 6147603 CIP of patent US 6300874

Abstract (Basic): US 6459374 B1

NOVELTY - A sensor is connected to the cable wires (21) and a switch, so that the connector (12) is connected to an electronic device through an USB port. A central alarm monitoring unit (30) detects the presence of the sensor and transmits an alarm signal, when the cable wires are cut.

USE - Anti-theft security system for computers in large business establishments, electronic stores, office, and also for scanner , printer.

ADVANTAGE - Enables alerting the owner immediately, when theft occurs. Prevents the theft of peripherals such as scanner and printers, using a single alarm unit.



DESCRIPTION OF DRAWING(S) - The figure shows an exploded schematic view of the computer system.

Connector (12)  
Cable wire (21)  
Central alarm monitoring unit (30)  
pp; 5 DwgNo 1/3

Title Terms: ANTI; THEFT; **SECURE** ; SYSTEM; COMPUTER; CENTRAL; ALARM;  
MONITOR; UNIT; DETECT; PRESENCE; SENSE; TRANSMIT; ALARM; SIGNAL; CABLE;  
WIRE; CUT

Derwent Class: T01; W05

International Patent Class (Main): G08B-013/12

File Segment: EPI

Manual Codes (EPI/S-X): T01-L02E; T01-L09; W05-B01B2

?

PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

? t26/9/25,33,37-38

26/9/25 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014968837 \*\*Image available\*\*

WPI Acc No: 2003-029351/200302

XPX Acc No: N03-023184

**Mouse for computer, uses interface located on main faces of PCB, that communicate data with memory stick and secure digital card inserted into slots in case**

Patent Assignee: MITSUMI ELECTRIC CO LTD (DENA ); KAWASHIMA M (KAWA-I);  
KUROIWA K (KUROIWA K)

Inventor: KAWASHIMA M; KUROIWA K

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020140678	A1	20021003	US 2001987030	A	20011113	200302 B
JP 2002287899	A	20021004	JP 200193005	A	20010328	200302

Priority Applications (No Type Date): JP 200193005 A 20010328

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 20020140678	A1		6 G09G-005/08	
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JP 2002287899	A		5 G06F-003/033	
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Abstract (Basic): US 20020140678 A1

NOVELTY - Interfaces are located on the main faces of a printed circuit board within the case of the **mouse** (1). The interfaces communicate data with a memory stick (20) and a **secure** digital (SD) card (30) that are inserted into the respective slots (21,31) in the case.

USE - **Mouse** for computer.

ADVANTAGE - Two kinds of storage media having different physical shapes can be connected to a computer without using dedicated interface devices, thereby reducing space around the computer. The **mouse** can be connected to the computer and can be used in the same manner as the ordinary **mouse** . If the **mouse** corresponds to the **USB** , convenience is improved and data communication speed is high.

DESCRIPTION OF DRAWING(S) - The figure depicts an external appearance of the **mouse** .

**Mouse** (1)

Memory stick (20)

Slots (21,31)

**Secure** digital card (30)

pp; 6 DwgNo 2/3  
Title Terms: **MOUSE** ; COMPUTER; INTERFACE; LOCATE; MAIN; FACE; PCB;  
COMMUNICATE; DATA; MEMORY; STICK; **SECURE** ; DIGITAL; CARD; INSERT; SLOT;  
CASE  
Derwent Class: P85; T01; T04  
International Patent Class (Main): G06F-003/033; G09G-005/08  
International Patent Class (Additional): G06K-017/00  
File Segment: EPI; EngPI  
Manual Codes (EPI/S-X): T01-C07C5; T01-H01B3A; T04-F02B1; T04-L05

26/9/33 (Item 33 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014445381 \*\*Image available\*\*  
WPI Acc No: 2002-266084/200231  
Related WPI Acc No: 2001-181184; 2003-056829  
XRPX Acc No: N02-206654

**Anti-theft computer security system for computers in stores, has central alarm monitoring unit which detects presence of LED and sends alarm signal when connector is disconnected from electronic device or cable is cut**

Patent Assignee: PROTEX INT CORP (PROT-N)  
Inventor: RAND R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6300874	B1	20011009	US 99438648	A	19991112	200231 B
			US 2000710595	A	20001110	

Priority Applications (No Type Date): US 2000710595 A 20001110; US 99438648 A 19991112

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6300874	B1	6	G08B-013/12	CIP of application US 99438648 CIP of patent US 6147603

Abstract (Basic): US 6300874 B1

NOVELTY - A sensor comprises a LED (15) coupled to the wires (23,24) in a cable and a diode (14) coupled to ground terminal (19) and grounded shell (25) of a contact, such that a circuit is completed when an **USB** connector is coupled to an electronic device. A central alarm monitoring unit coupled to cable, detects the presence of the LED and sends an alarm signal when the connector is disconnected or the cable is cut.

USE - Anti-theft **security** system for computers and also for peripherals such as **scanners** , printers and other machines using universal serial bus port, in stores and offices.

ADVANTAGE - Many **USB** connectors with LEDs are connected to a single central alarm monitoring unit, so that an entire store or office full of computers and peripherals is protected using a single alarm unit. Thereby protecting large number of computers and peripherals with a single central alarm unit.

DESCRIPTION OF DRAWING(S) - The figure shows the circuit diagram of the **USB** connector.

Diode (14)  
Light emitting diode (15)  
Ground terminal (19)  
Wires (23,24)

Grounded shell (25)  
pp; 6 DwgNo 4/4  
Title Terms: ANTI; THEFT; COMPUTER; **SECURE** ; SYSTEM; COMPUTER; STORAGE;  
CENTRAL; ALARM; MONITOR; UNIT; DETECT; PRESENCE; LED; SEND; ALARM; SIGNAL  
; CONNECT; DISCONNECT; ELECTRONIC; DEVICE; CABLE; CUT  
Derwent Class: T01; W01; W05  
International Patent Class (Main): G08B-013/12  
File Segment: EPI  
Manual Codes (EPI/S-X): T01-L02E; W01-A07H1; W05-B01B2; W05-B05B9

**26/9/37 (Item 37 from file: 350)**  
DIALOG(R)File 350:Derwent WPIX  
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014391428 \*\*Image available\*\*  
WPI Acc No: 2002-212131/200227  
XRPX Acc No: N02-162095

**Mouse with USB interface has transmitter that sends resume signal  
indicating transition to usual mode from suspension mode through USB  
interface when change of state in mouse is detected**  
Patent Assignee: FUJITSU TAKAMIZAWA COMPONENT KK (FUJI-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002041237	A	20020208	JP 2000227566	A	20000724	200227 B

Priority Applications (No Type Date): JP 2000227566 A 20000724

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002041237	A	13	G06F-003/033	

Abstract (Basic): JP 2002041237 A

NOVELTY - The mouse (1) has a transmitter (15) that sends a resume signal indicating transition to usual mode from suspension mode through a **USB** interface (11) when a change of state is detected. A suspending unit (14) stops the operation of a detector (12) in predetermined waiting time after receiving a suspension signal. The detector senses the change of state in the mouse.

DETAILED DESCRIPTION - A receiver (13) obtains the suspension signal, indicating transition to suspension mode from usual mode, through the **USB** interface.

USE - Mouse with universal serial bus ( **USB** ) interface.

ADVANTAGE - Prevents cursor movement when in suspension mode even when mouse is moved, clicked, lifted or vibrated. **Prevents** malfunction or unintentional **operation** of **mouse** . Has improved reliability, reliable condition variation and remote operation.

DESCRIPTION OF DRAWING(S) - The figure shows the functional block diagram of the **USB** mouse. Drawing includes non-English language text.

Mouse (1)  
**USB** interface (11)  
Detector (12)  
Receiver (13)  
Suspending unit (14)  
Transmitter (15)  
pp; 13 DwgNo 6/8

Title Terms: MOUSE; INTERFACE; TRANSMIT; SEND; RESUME; SIGNAL; INDICATE;  
TRANSITION; USUAL; MODE; SUSPENSION; MODE; THROUGH; INTERFACE; CHANGE;  
STATE; MOUSE; DETECT

Derwent Class: T01; T04  
International Patent Class (Main): G06F-003/033  
International Patent Class (Additional): G06F-001/32  
File Segment: EPI  
Manual Codes (EPI/S-X): T01-C07C; T01-L01; T04-F02B

26/9/38 (Item 38 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014365562 \*\*Image available\*\*  
WPI Acc No: 2002-186263/200224

**Hardware device having driver program for changing and recovering data  
for security of personal computer and controlling external input  
/output apparatus (usb port, printer port, serial port, fdd, etc)**

Patent Assignee: SDIT INC (SDIT-N)  
Inventor: CHOI I S; KANG J C; KIM M S; KIM S W  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2001094068	A	20011031	KR 200017461	A	20000403	200224 B

Priority Applications (No Type Date): KR 200017461 A 20000403

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2001094068	A		1 G06F-012/14	

Abstract (Basic): KR 2001094068 A

NOVELTY - A hardware device having a driver program for changing and recovering a data for **security** of a personal computer and controlling an external **input /output apparatus** (a **USB** port, a printer port, a serial port, a FDD, etc.) is provided to prevent data leakage through an external **input /output apparatus** by an uncertified user.

DETAILED DESCRIPTION - A driver program operates by receiving a command of an application program. A management board is installed on the deriver program. A decoding logic(3) decodes an address bus by being installed on an ISA slot of an IBM PC. A flash memory(4) stores a data bus latch, a data and the driver program. An address of the flash memory is determined by using a data on the PC Bus. A wanted information is readable and writable in the upper application program. A loading, an input/output information and a data access history of a user are recorded in the flash memory. The application program records a coded information in a certain area. If a predetermined information in a predetermined area is not read, the application program is finished or the system is shut down.

pp; 1 DwgNo 1/10

Title Terms: HARDWARE; DEVICE; DRIVE; PROGRAM; CHANGE; RECOVER; DATA;  
**SECURE** ; PERSON; COMPUTER; CONTROL; EXTERNAL; INPUT; OUTPUT; APPARATUS;  
PORT; PRINT; PORT; SERIAL; PORT

Derwent Class: T01  
International Patent Class (Main): G06F-012/14  
File Segment: EPI  
Manual Codes (EPI/S-X): T01-H01C2  
? t26/9/42-44

26/9/42 (Item 42 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013811700      \*\*Image available\*\*

WPI Acc No: 2001-295912/200131

XRPX Acc No: N01-211903

**Interface switching apparatus for input device , changes output of connector of keyboard to signal corresponding to interface of computer**

Patent Assignee: ALPS ELECTRIC CO LTD (ALPS )

Inventor: SONODA Y

Number of Countries: 003    Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001067159	A	20010316	JP 99241052	A	19990827	200131 B
TW 476042	A	20020211	TW 2000115181	A	20000728	200304
US 6763408	B1	20040713	US 2000639548	A	20000816	200446

Priority Applications (No Type Date): JP 99241052 A 19990827

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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JP 2001067159	A	5	G06F-003/00	
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TW 476042	A		G06F-003/02	
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US 6763408	B1		G06F-013/12	
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Abstract (Basic): JP 2001067159 A

NOVELTY - The apparatus connects the connector (7) corresponding to interface of **keyboard** apparatus (2) and **USB** port (12) corresponding to interface of computer (3). When the connector is connected to the apparatus, it imparts a discriminative information from apparatus, when the output of connector is changed to a signal corresponding to interface of computer.

USE - For **input device** e.g. **keyboard , mouse** .

ADVANTAGE - Stability of operation is **secured** as the apparatus do not perform direct signal conversion. Interface is easily changeable using simple mechanism.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of interface switching apparatus.

**Keyboard** apparatus (2)

Computer (3)

Connector (7)

**USB** port (12)

pp; 5 DwgNo 1/3

Title Terms: INTERFACE; SWITCH; APPARATUS; INPUT; DEVICE; CHANGE; OUTPUT; CONNECT; **KEYBOARD** ; SIGNAL; CORRESPOND; INTERFACE; COMPUTER

Derwent Class: T01

International Patent Class (Main): G06F-003/00; G06F-003/02; G06F-013/12

International Patent Class (Additional): G06F-013/38

File Segment: EPI

Manual Codes (EPI/S-X): T01-C07C

**26/9/43      (Item 43 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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013696960      \*\*Image available\*\*

WPI Acc No: 2001-181184/200118

Related WPI Acc No: 2002-266084; 2003-056829

XRPX Acc No: N01-129124

**Anti theft security system for computers, has central alarm monitoring unit which detects presence of sensor and sends alarm signal, when connector is disconnected from computer or the cable is cut**

Patent Assignee: PROTEX INT CORP (PROT-N)

Inventor: RAND R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6147603	A	20001114	US 99438648	A	19991112	200118 B

Priority Applications (No Type Date): US 99438648 A 19991112

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6147603	A		5 G08B-013/12	

Abstract (Basic): US 6147603 A

NOVELTY - A cable (20) comprising multiple wires (21) is connected to sensor and contact (12) extending from housing. Another end of the cable is connected to a central alarm monitoring unit (30). The central alarm monitoring unit detects the presence of sensor and sends an alarm signal, when the connector is disconnected from computer (50) or the cable is cut.

DETAILED DESCRIPTION - The contact (12) extending from housing (11), comprises 'data +' and 'data -' terminals for connecting to **USB** port (52) on computer (50). An INDEPENDENT CLAIM is also included for **USB** connector for connecting to computer.

USE - For computer in large business establishment such as retail stores.

ADVANTAGE - The **security** system immediately alerts the owner if theft or tampering occurs. Prevents theft of peripherals such as **scanners** , printer and other machines.

DESCRIPTION OF DRAWING(S) - The figure shows exploded schematic view of **security** system.

Housing (11)  
Contact (12)  
Cable (20)  
Wires (21)  
Monitoring unit (30)  
Computer (50)  
**USB** port (52)  
pp; 5 DwgNo 1/3

Title Terms: ANTI; THEFT; **SECURE** ; SYSTEM; COMPUTER; CENTRAL; ALARM;  
MONITOR; UNIT; DETECT; PRESENCE; SENSE; SEND; ALARM; SIGNAL; CONNECT;  
DISCONNECT; COMPUTER; CABLE; CUT

Derwent Class: T01; W05

International Patent Class (Main): G08B-013/12

File Segment: EPI

Manual Codes (EPI/S-X): T01-J12C; T01-L09; W05-B01B

26/9/44 (Item 44 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013483115 \*\*Image available\*\*

WPI Acc No: 2000-655058/200063

XRPX Acc No: N00-485475

**ROM scan startup protection tool for personal computer, provides scan code, lock code, control transfer code and unlock code within system BIOS**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Inventor: BONOMO R; FREEMAN J W; JOHNSON R D; SPRINGFIELD R S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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US 6098171 A 20000801 US 9852733 A 19980331 200063 B

Priority Applications (No Type Date): US 9852733 A 19980331

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 6098171 A 14 G06F-011/00

Abstract (Basic): US 6098171 A

NOVELTY - A code device has an utility code capable of controlling a CPU after executing POST initialization code instruction with the system BIOS. A scan code, lock code, control transfer code and unlock code are provided within the system BIOS to provide identification of presence of code device, **disablement** of **input device**, execution of utility code by CPU and enablement of **input device**.

*same  
assigned*

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for method to **secure** access to information handling system.

USE - For protection and control over access of data from personal computer during startup.

ADVANTAGE - Supports the universal serial bus ( **USB** ) BIOS and includes a disable function that will block input from **USB** if the **security** function has been enabled.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic view of certain components of personal computer.

pp; 14 DwgNo 3/5

Title Terms: ROM; SCAN; PROTECT; TOOL; PERSON; COMPUTER; SCAN; CODE; LOCK; CODE; CONTROL; TRANSFER; CODE; UNLOCK; CODE; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-011/00

File Segment: EPI

Manual Codes (EPI/S-X): T01-F05B2; T01-F05E; T01-J12C

? t26/9/48

26/9/48 (Item 48 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012407190

WPI Acc No: 1999-213298/199918

XRPX Acc No: N99-156856

**Power up security for computer external device bay - uses two part process decoding connection as belonging to an EDB routing to EDB USB device driver and password checking during power up**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RD 419091	A	19990310	RD 99419091	A	19990220	199918 B

Priority Applications (No Type Date): RD 99419091 A 19990220

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
RD 419091 A 2 G06F-000/00

Abstract (Basic): RD 419091 A

The rerouting of the **keyboard** controller is performed, when the EDB is connected to the host system using a **USB** connection event. The system decodes the connection as belonging to an EDB and routes it to the EDB **USB** device driver.

The power **security** unit (PSU) is responsible for storing and checking the password as well as providing the signalling to the power

switch when a correct password has been entered. The password checking is based on **USB** usage codes that are sent from a **USB** controller. Once correctly entered a password program command is updated and the password is stored in a non-volatile memory.

ADVANTAGE - Requires no additional hardware on the host side and only the software addition of a device driver, so that any existing computer equipped with a **USB** port can use this **security** mechanism.

Dwg.0

Title Terms: POWER; UP; **SECURE** ; COMPUTER; EXTERNAL; DEVICE; BAY; TWO;  
PART; PROCESS; DECODE; CONNECT; BELONG; ROUTE; DEVICE; DRIVE; PASSWORD;  
CHECK; POWER; UP

Derwent Class: T01

International Patent Class (Main): G06F-000/00

File Segment: EPI

Manual Codes (EPI/S-X): T01-F05B3; T01-J12C; T01-L01